



**NP – 436**

**IV Semester B.C.A. Examination, July/August 2024  
(NEP Scheme)**

**COMPUTER SCIENCE  
4.3 : Internet Technologies**

Time : 2½ Hours

Max. Marks : 60

**Instructions :** 1) Answer *all* the Parts.

2) Answer *any four* from *each* Part.

**PART – A**

Answer **any four** questions. **Each** carries 2 marks.

**(4×2=8)**

1. What is URL ?
2. Define HTTP cache.
3. What is a cookie ?
4. What is a confusion matrix ?
5. Name any 4 web designing tools.
6. What is sentiment analysis ?

**PART – B**

Answer **any four** questions. **Each** carries 5 marks.

**(4×5=20)**

7. Explain HTTP request. Mention any four methods.
8. What is client-side scripting and server-side scripting ? Explain the differences.
9. Explain web 3.0.
10. What is a list in HTML ? Explain different types of lists (give example).
11. Explain the difference between PHP and node JS.
12. What is NOSQL ? Explain difference between NOSQL and SQL.

**P.T.O.**



## PART – C

Answer **any four** questions. **Each** carries **8** marks.

**(4×8=32)**

13. Explain search engine architecture with a neat diagram. **8**
14. a) Explain search tools and search service.  
b) What is Bootstrap ? **(4+4)**
15. a) Explain the steps required for building an application using angular JS.  
b) Explain web mining in detail. **(4+4)**
16. a) Briefly explain web application frameworks.  
b) What is CSS ? How can CSS be incorporated a document ? **(4+4)**
17. a) Explain the terms Precision and Recall.  
b) Explain File Transfer Protocol (FTP). **(4+4)**
18. Write a program to create a HTML form by using various attributes of input tags (text box, multiline text box, option button, check box). **8**
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